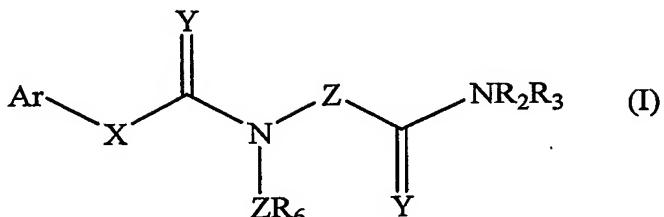


## CLAIMS

1. A compound having the formula (I):



5

wherein

X is selected from the radicals -NR<sub>1</sub>- and -CHR<sub>1</sub>-;

$Y$  is independently selected from  $O$  and  $S$ ;

10 Z is independently selected from a C<sub>1-7</sub> straight or C<sub>4-8</sub> branched alkylene chain, a C<sub>2-7</sub> alkenylene chain and a part of a C<sub>3-8</sub> cycloalkyl or C<sub>5-8</sub> cykloalkenyl ring structure;

Ar is an aryl group selected from aromatic carbocyclic

15 ring systems, five- or six-membered heteroaromatic ring systems and bicyclic heteroaromatic ring systems;

$R_1$ ,  $R_2$  and  $R_3$  are independently selected from a group of substituents (a)-(d) consisting of:

(a) H<sub>2</sub>

(b)  $S_1$

(B) C<sub>1-6</sub> straight or C<sub>4-8</sub> branched chain fatty acids, and

(c) C<sub>3-8</sub> cycloalkyl or C<sub>5-8</sub> cycloalkenyl, and

(d) C<sub>2-6</sub> alketyl or alkynyl;

wherein the substituents (b)-(d) optionally have at least one substituent independently selected from a group

25 (e)-(i) consisting of:

(e) Ar, O-Ar or S-Ar;

(f) OH, O-alkyl or S-alkyl, where alkyl is selected from the substituents (b)-(c);

30 (g) NR<sub>4</sub>R<sub>5</sub>, where R<sub>4</sub> and R<sub>5</sub> are independently selected from the substituents (a)-(d) or optionally together form a nitrogen containing ring structure comprising from 2 to 5 carbon atoms;

(h) NH-C(O)-alkyl, C(O)-alkyl, O-C(O)-alkyl or S-

C(O)-alkyl, where alkyl is selected from the substituents (b)-(c); and

(i) F, Cl or Br;

R<sub>6</sub> is selected from a group consisting of Ar and the substituents (a)-(c), where (b) and (c) are optionally substituted with at least one of the substituents (e)-(i); Ar optionally has at least one substituent independently selected from the substituents (b)-(i); and tautomers, solvates and pharmaceutically acceptable salts 10 of said compound.

2. A compound according to claim 1, wherein X is a radical -NR<sub>1</sub>-.

3. A compound according to claim 2, wherein R<sub>1</sub> is H.

4. A compound according to any one of claims 1-3, 15 wherein Y is O.

5. A compound according to any one of claims 1-4, wherein Ar is selected from phenyl and naphthyl.

6. A compound according to any one of claims 1-5, 20 wherein Z is selected from -CH<sub>2</sub>-, -(CH<sub>2</sub>)<sub>2</sub>-, -(CH<sub>2</sub>)<sub>3</sub>-, -(CH<sub>2</sub>)<sub>5</sub>-, -(CH<sub>2</sub>)<sub>6</sub>-, -(CH<sub>2</sub>)<sub>7</sub>- and *trans*-2-cyclohexylene.

7. A compound according to any one of claims 1-6, 25 wherein R<sub>6</sub> is selected from isopropyl, cyclopentyl, cyclohexyl, phenyl, 4-*n*-butylphenyl, 4-isopropylphenyl and 2-naphthyl.

8. A compound according to any one of claims 1-7, 30 wherein R<sub>2</sub> and R<sub>3</sub> are independently selected from H and 4-chlorobenzyl.

9. A compound according to any one of claims 1-8, 35 wherein the compound is selected from a group consisting of:

4-[3-phenyl-1-(6-phenylhexyl)ureido]butyramide;

4-[1-(4-butylbenzyl)-3-phenylureido]butyramide;

4-[1-(4-isopropylbenzyl)-3-phenylureido]butyramide;

4-[1-(4-methylpentyl)-3-phenylureido]butyramide;

35 N-(4-chlorobenzyl)-4-[1-(3-cyclohexylpropyl)-3-phenylureido]butyramide;

*trans*-2-[1-(3-cyclohexylpropyl)-3-phenylureido]cyclohexanecarboxamide;  
4-[1-(3-cyclohexylpropyl)-3-naphthalen-2-yl-ureido]-butyramide;  
5 4-[1-(2-naphthalen-2-yl-ethyl)-3-phenylureido]butyramide;  
4-[1-(2-cyclohexylethyl)-3-phenylureido]butyramide;  
4-(1-phenethyl-3-phenylureido)butyramide;  
4-(1-benzyl-3-phenylureido)butyramide;  
4-[1-(3-cyclopentylpropyl)-3-phenylureido]butyramide;  
10 4-[3-phenyl-1-(5-phenylpentyl)ureido]butyramide; and  
4-[1-(3-cyclohexylpropyl)-3-phenylureido]butyramide.

10. A compound according to claim 1, wherein X is a radical -CHR<sub>1</sub>-.

11. A compound according to claim 10, wherein said radical -CHR<sub>1</sub>- is selected from -CH<sub>2</sub>- and (R)-CH(CH<sub>3</sub>)-.

12. A compound according to any one of claims 10-11, wherein Y, Z, Ar, R<sub>2</sub>, R<sub>3</sub> and R<sub>6</sub> are as defined in claims 4-8.

13. A compound according to any one of claims 10-12, 20 wherein the compound is selected from a group consisting of:  
(R)-4-[ (3-cyclohexylpropyl)-(2-phenylpropionyl)amino]-butyramide;  
4-[ (3-cyclohexylpropyl)-(2-naphthalen-2-yl-acetyl)amino]-butyramide; and  
25 8-[ (3-cyclohexylpropyl)-(2-naphthalen-2-yl-acetyl)amino]-octanamide.

14. A compound according to any one of claims 1-13 for use as a pharmaceutical.

30 15. A pharmaceutical composition comprising a compound according to any one of claims 1-13 as active ingredient in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

16. Use of a compound according to any one of claims 35 1-13 for the manufacture of a medicament for treatment of pain and disorders related thereto.

17. A method for treatment of pain and disorders related thereto, wherein said method comprises administering to an animal, including human, patient of a therapeutically effective amount of a compound according to any  
5 one of claims 1-13.